

PATENT ABSTRACTS OF JAPAN

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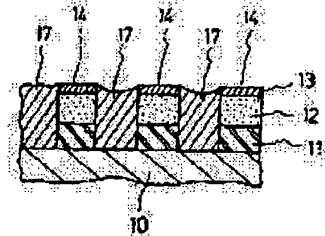
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(54) LIQUID CRYSTAL DISPLAY DEVICE

(57)Abstract:

PURPOSE: To adhere and fix surely parts and improve the reliability by burying resin materials among plural electrode terminal conductors formed on a substrate material to eliminate steps.

CONSTITUTION: In an electrode terminal part of a circuit board for driving a liquid crystal display element, a resin 17 is applied by the screen printing method and is cured and buried in gaps among steps formed with conductors of plural electrode terminals 14 which are constituted on a substrate material 10 by laminating copper foils 11, copper plates layers 12, and gold-nickel plated layers 13. For example, a UV curing resin consisting of an urethane modified acrylate or the like is used as this resin 17. If a screen plate is produced at 0.6mm pitch with 0.2mm width when the pitch of electrode terminals 14 is 0.6mm and the conductor width is 0.3mm, gaps among steps of electrode terminals 14 are filled up sufficiently. Thus, the reliability of the device is improved because the electrode terminal part and heat seal connector are adhered and fixed surely.



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